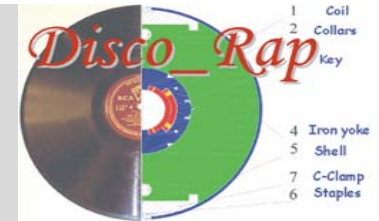


INTRODUCTION TO THE 7th GSI-INFN MEETING FOR SIS300 DIPOLE DEVELOPMENT

This meeting is aimed to discuss the status of the R&D activities in view of the objectives of 2008

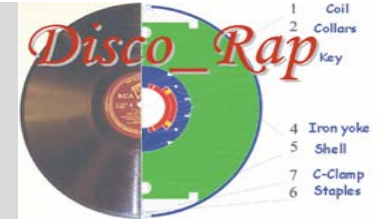
- a) Status of construction of the winding models
- b) Status of the Conceptual Design (INFN) and Engineering Design up to collared coil (ASG-Superconductors)
- c) Interfaces INFN-GSI

The agenda has been arranged accordingly

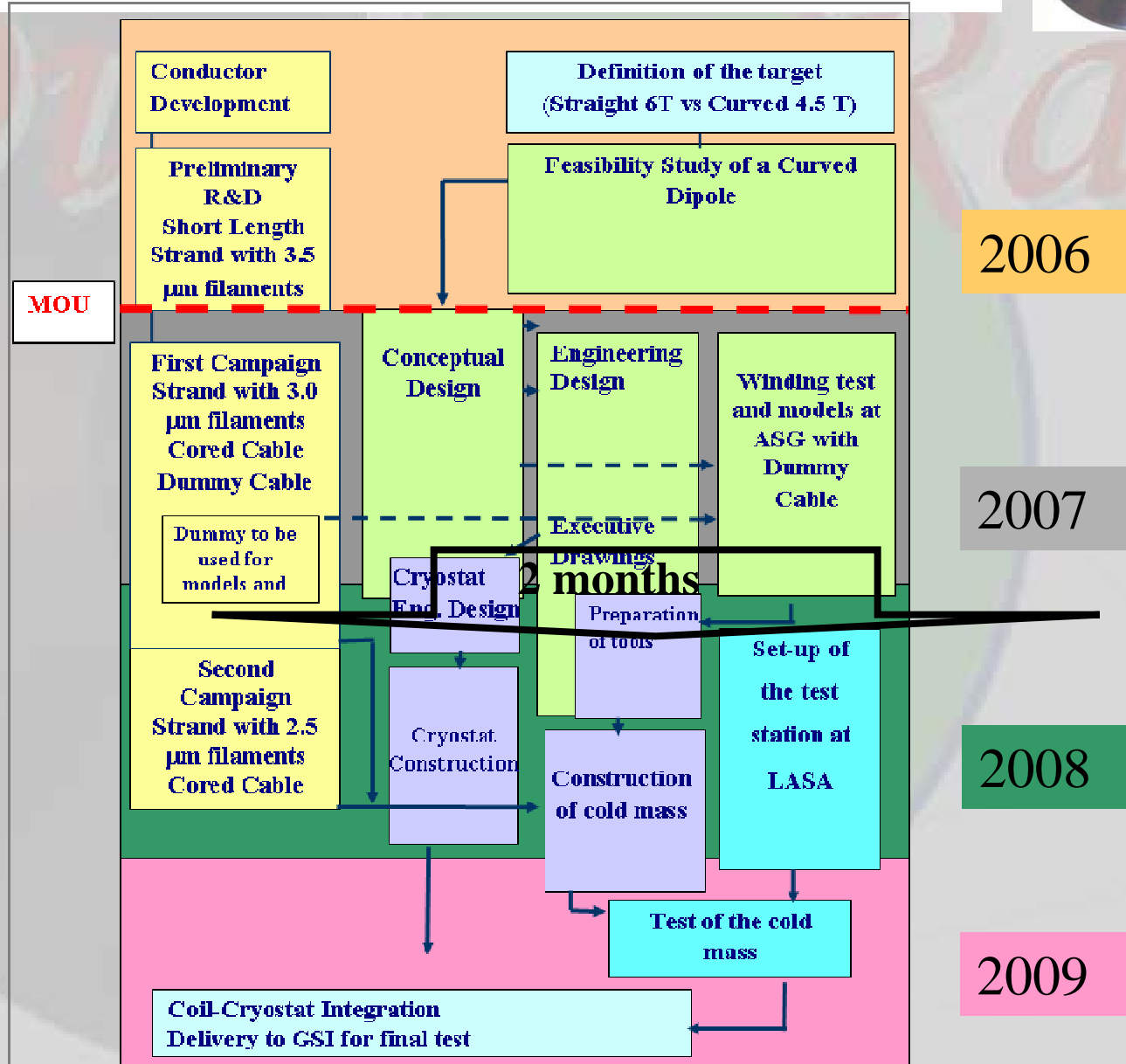


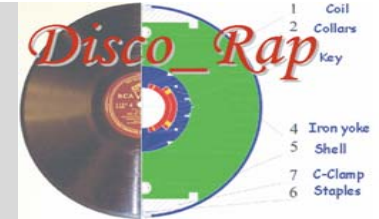
AGENDA

- 1) Introduction to the topics of the meeting *P.Fabbricatore*
- 2) General Status of DISCORAP activities *P.Fabbricatore*
- 3) Present magnet (prototype) lay-out (dimensions and materials) *P.Fabbricatore*
- 4) End coil design *M.Sorbi and G.Bellomo*
- 5) Materials for coil edges and end spacers *Discussion*
- 6) Up to date mechanical analysis *S.Farinon*
- 7) Mechanical properties of the winding -
Dimensions of the insulation *S.Farinon/ G.Volpini*
- 8) Status of conductor *G.Volpini*
- 9) INFN-GSI interfaces (scope of work)
- 10) Points risen by E. Floch and R&D for 2008 *G.Moritz*
- 11) R&D on Ra at BNL and CERN *J.Kaugerts*
- 12) Cost revision
- 13) Field quality

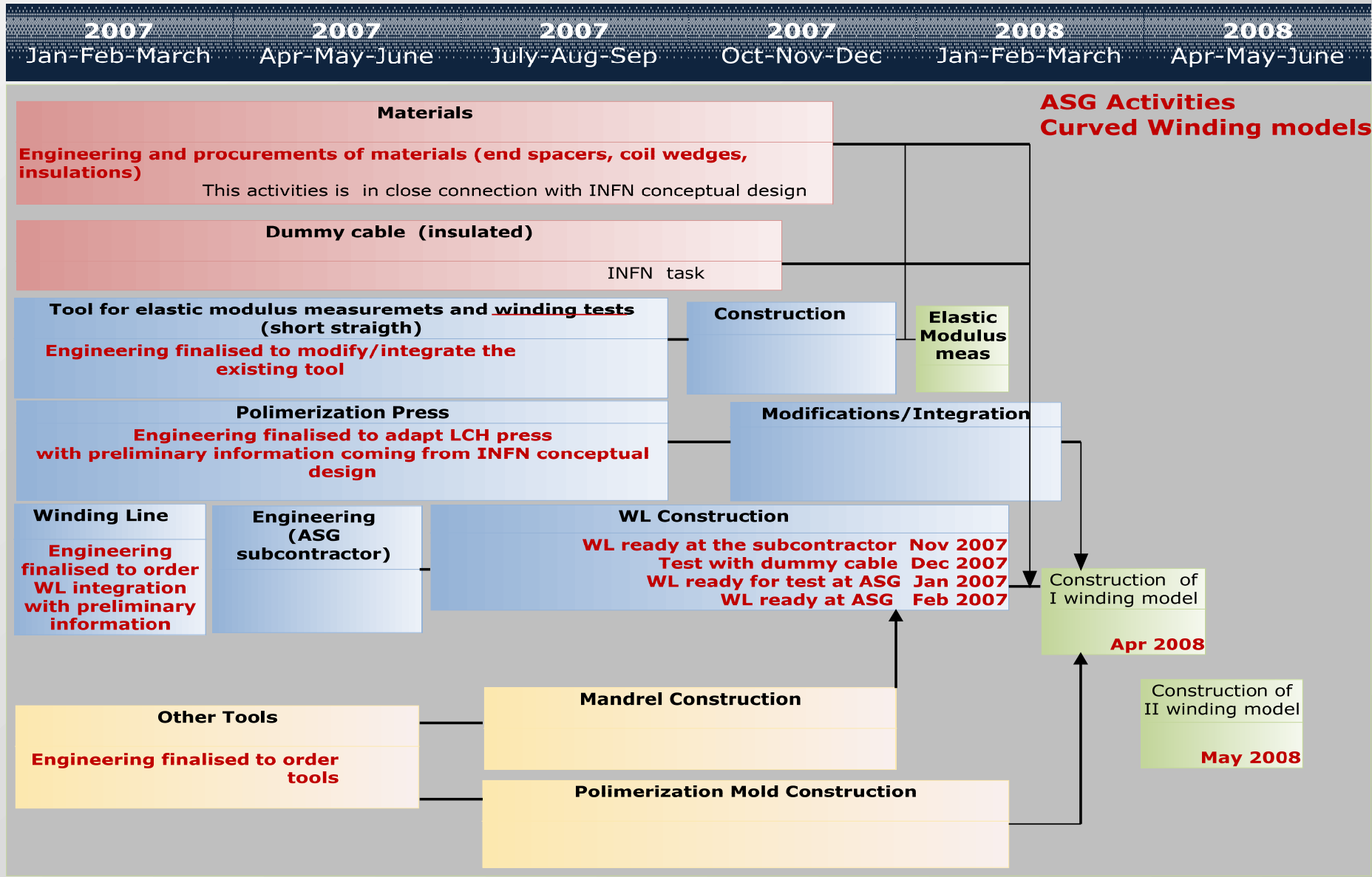


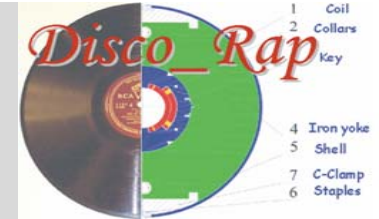
MASTER PLAN OF THE ACTIVITIES



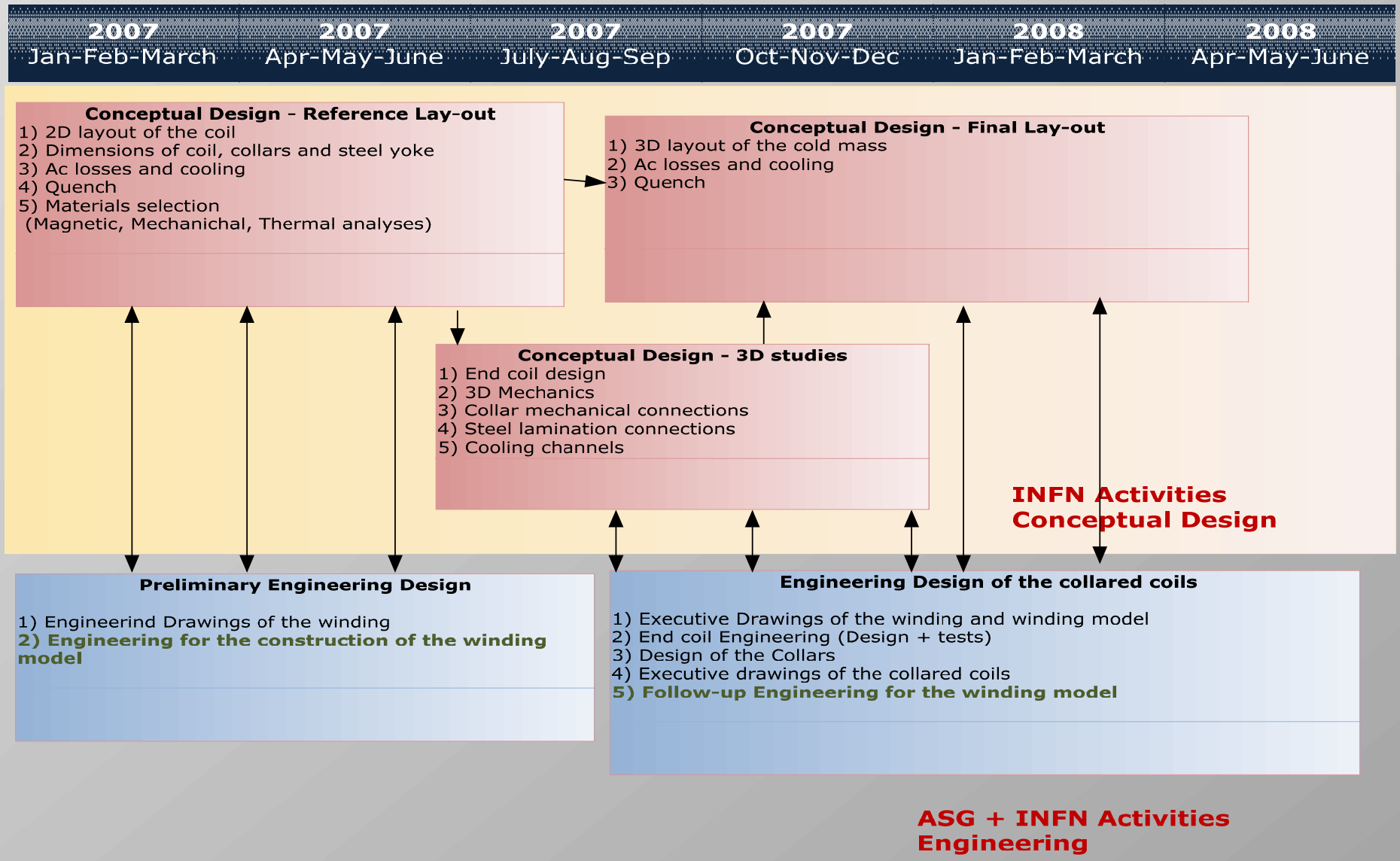


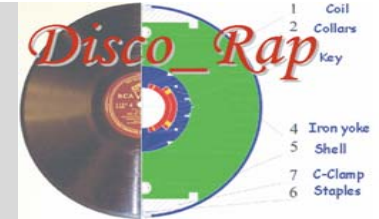
Construction of the winding models





Conceptual Design and Engineering





The Conceptual Design lay-out can be finalised within spring 2008. The actual pending issues are:

- 1) Collar thickness: Coil mechanical properties – Thickness and details of the insulation – Construction steps (**S.F presentation**)
- 2) End coil design: (**MS and GB presentations**)
- 3) Optimization of the iron yoke (GSI-INFN interface including also cryostat features) **All**
- 4) Other design issues: Heat ex-change (**RM**) and Quench (**MS**)